## Renumbered Claims

OLIVER et al. Appl. No. 09/700,492 January 28, 2004

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

- (Previously Presented) A yeast cell containing the SRB1/PSA1 gene and the PKC1 gene each operatively linked to a heterologous inducible promoter.
- (Original) The yeast cell according to claim, wherein the yeast cell is a strain of Saccharomyces cerevisiae.
- (Original) The yeast cell according to claim wherein the yeast cell is a strain of Pichia pastoris, Hansenula polymorpha or Kluyveromyces lactis.
- (Previously Presented) The yeast cell according to claim I wherein at least one of the genes is operatively linked to a methionine regulated promoter.
- (Original) The yeast cell according to claim wherein the methionine regulated promoter is pMET3.
- 6. (Currently Amended) The yeast cell according to claim wherein the said *PKC1* gene operatively linked to an inducible promoter is the *PKC1* gene and operatively

linked inducible promoter of derived from a the recombinant vector selected from pRS316-pMET3-PKC1, pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKC1 or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-PKC1.

- (Currently Amended) The yeast cell according to claim wherein the said SRB1/PSA1 gene operatively linked to an inducible promoter is the SRB1/PSA1 gene and operatively linked inducible promoter of derived from the recombinant vector SRB1.9e.
- (Currently Amended) The yeast cell according to claim wherein the said *PKC1* gene operatively linked to an inducible promoter is the *PKC1* gene and operatively linked inducible promoter of derived from a the recombinant vector selected from pRS316-pMET3-PKC1, pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKC1 or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-PKC1.
  - (Previously Presented) A method of regulating yeast cell lysis comprising:
    - (i) growing yeast cells containing the SRB1/PSA1 gene and the PKC1 gene each operatively linked to an inducible promoter in a growth medium which activates the inducible promoter such that SRB1/PSA1 and PKC1 are expressed from said cells; and

- (ii) when lysis is required, growing the cells in a modified growth medium which represses SRB1/PSA1 and PKC1 expression such that cell lysis is induced.
- (Previously Presented) The method according to claim? wherein the yeast cells contain the SRB1/PSA1 gene and the PKC1 gene each operatively linked to a heterologous inducible promoter.
- (Previously Presented) The method according to claim wherein the inducible promoter is *pMET*, the growth medium is methionine-free and the modified growth medium contains methionine.
- (Original) The method according to claim II wherein the modified medium contains from between 0.05mM and 20mM methionine.
- (Previously Presented) A method of isolating protein from yeast cells comprising growing cells and inducing lysis according to claim and separating the protein released from the lysed yeast cells from yeast cell debris / ghosts.
- (Currently Amended) The method according to claim 13 for isolating recombinant proteins expressed expressed from genetically engineered yeast cells.

- 15. (Withdrawn) A method of regulating yeast cell flocculation comprising:
- (i) growing yeast cells containing the *PKC1* gene operatively linked to an inducible promoter in a growth medium which activates the inducible promoter such that *PKC1* is expressed; and
- (ii) when flocculation is required, growing the cells in a modified growth medium which represses *PKC1* expression such that flocculation is induced.
- 16. (Withdrawn) The method according to claim 15 wherein the yeast cells are a strain of Saccharomyces cerevisiae
- 17. (Withdrawn) The method according to claim 15 wherein the yeast cells are a strain of *Pichia pastoris*, *Hansenula polymorpha* or *Kluyveromyces lactis*.
- 18. (Withdrawn) The method according to claim 15 wherein the *PKC1* gene is operatively linked to a methionine regulated promoter.
- 19. (Withdrawn) he method according to claim 18 wherein the methionine regulated promoter is pMET3.

- 20. (Withdrawn) The method according to claim 19 wherein the yeast cells contain the *PKC1* gene operatively linked to pMET3 derived from a recombinant vector selected from pRS316-pMET3-PKC1, pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKC1 or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-PKC1.
- 21. (Withdrawn) The method according to claim 20 wherein the yeast cells are ZO-126.
- 22. (Withdrawn) The method according to claim 15 wherein the yeast cells are ZO123 or ZO124 transformed with the *PKC1* gene operatively linked to an inducible promoter.
- 23. (Withdrawn) The method according to claim 15 for increasing the sedimentation of yeast cells or cell ghosts / debris form a medium within which the yeast cells are grown.
- 24. (Withdrawn) A method of fermentation comprising growing yeast cells containing the *SRB1/PSA1* gene operatively linked to a heterologous promoter in a growth medium in which *SRB1/PSA1* expression is regulated by the heterologous promoter whereby said cells flocculate.

- 25. (Withdrawn) The method according to claim 24 wherein the yeast cell is a strain of Saccharomyces cerevisiae
- 26. (Withdrawn) The method according to claim 24 wherein the yeast cell is a strain of *Pichia pastoris*, *Hansenula polymorpha* or *Kluyveromyces lactis*.
- 27. (Withdrawn) The method according to claim 24 wherein the SRB1/PSA1 gene or is operatively linked to a methionine regulated promoter.
- 28. (Withdrawn) The method according to claim 27 wherein the methionine regulated promoter is pMET3.
- 29. (Withdrawn) The method according to claim 28 wherein the *SRB1/PSA1* gene operatively linked to an inducible promoter is derived from the recombinant vector SRB1.9e.
- 30. (Withdrawn) The method according to claim 29 wherein the yeast cells are ZO-125.
- 31. (Withdrawn) The method according to claim 29 wherein the yeast cells are FY23SRB1MET3.

- 32 (Withdrawn) A method of fermentation comprising growing yeast cells containing the *SRB1/PSA1* and *PKC1* gene operatively linked to a heterologous promoter in a growth medium in which *SRB1/PSA1* and *PKC1* expression is regulated by the heterologous promoter whereby said cells flocculate.
- 33. (Withdrawn) The method according to claim 32 wherein the yeast cells contain the *SRB1/PSA1* gene and the *PKC1* gene each operatively linked to a heterologous inducible promoter.
- 34. (Withdrawn) The method according to claim 32 wherein the cells contain the *PKC1* gene operatively linked to a heterologous inducible promoter and the *SRB1/PSA1* gene operatively linked to a heterologous promoter.
- (Currently Amended) A yeast cell containing the *PKC1* gene operatively linked to a heterologous inducible promoter selected from the group consisting of:
- (i) ZO124 transformed with pRS316-pMET3-PKC1, pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKC1 or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-PKC1;
- (ii) ZO123 transformed with pRS316-pMET3-PKC1 or pMET3-PKC1 containing fragments derived from of pRS316-F<sub>1</sub>F<sub>2</sub>-pMET3-PKC1 or pRS316-F<sub>1</sub>F<sub>2</sub>-TRP1-pMET3-PKC1; and

(iii) yeast strain ZO-126.

Claim 36 (Cancelled).

(Currently Amended) A yeast cell containing the *PKC1* gene operatively linked to a heterologous inducible promoter and the *SRB1/PSA1* gene thereof operatively linked to a heterologous promoter.

28. (Previously Presented) A yeast cell according to claim 35 or 37 wherein the promoter or promoters is/are pMET3.